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Montana Comprehensive Assessment System

MontCAS

Science CRT and CRT-Alternate
Spring 2007 Assessment Conference

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Timeline

- Grades 4, 8, and 10
- First administration, Spring 2008
- Developed in alignment with Montana Science content standards

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Science CRT Development

- Fall 2006
 - Preliminary item development
 - Bias reviews
 - Content reviews
 - Item selection for field test
- Spring 2007
 - Field tested during CRT testing window, all schools in Montana
- June 2007
 - Sample items online

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Continued Science CRT Development

- Spring 2007
 - Bias Review
 - Content Review
- Summer 2007
 - Item Selection
 - Verify Depth of Knowledge
- Fall 2007
 - External alignment study and adjustments as needed
- Spring 2008
 - First administration

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CRT Science Blueprint

Montana Standard s	Reporting Categories	Multiple Choice Items	Constructed Response Items
1, 5, & 6*	Scientific Investigation Impact on Society Historical Development	15-19	1 or 0
2	Physical Science	10-14	1 or 0
3	Life Science	10-14	1 or 0
4	Earth and Space Science	10-14	1 or 0

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Science CRT-Alternate

- Summer and Fall 2006
 - Development of
 - Draft expanded benchmarks aligned with Montana standards
 - Draft performance/achievement descriptors
- Winter – Summer 2007
 - Development of tasklets and items
- Fall 2007
 - Beta test of items
 - Bias and content reviews
 - Final alignment and adjustments as needed
- Spring 2008
 - First administration

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